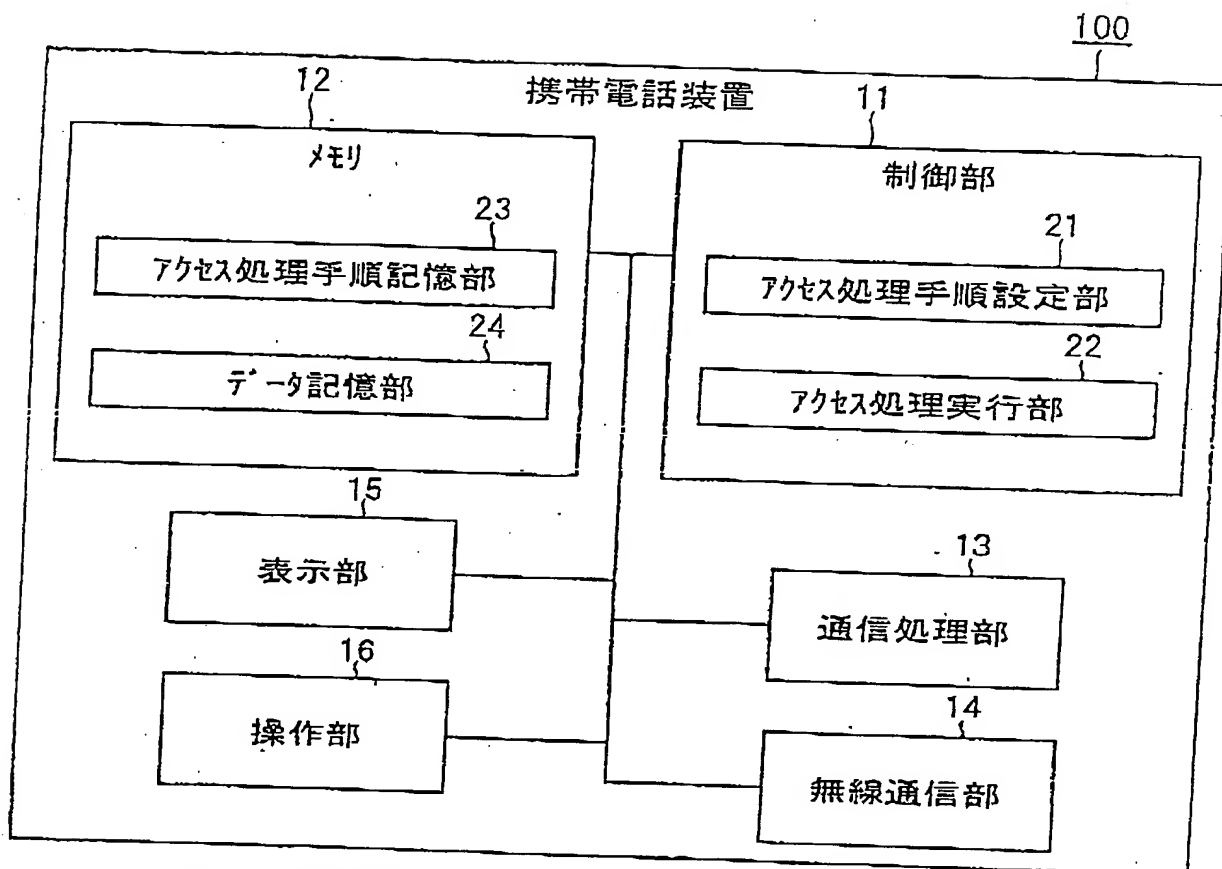
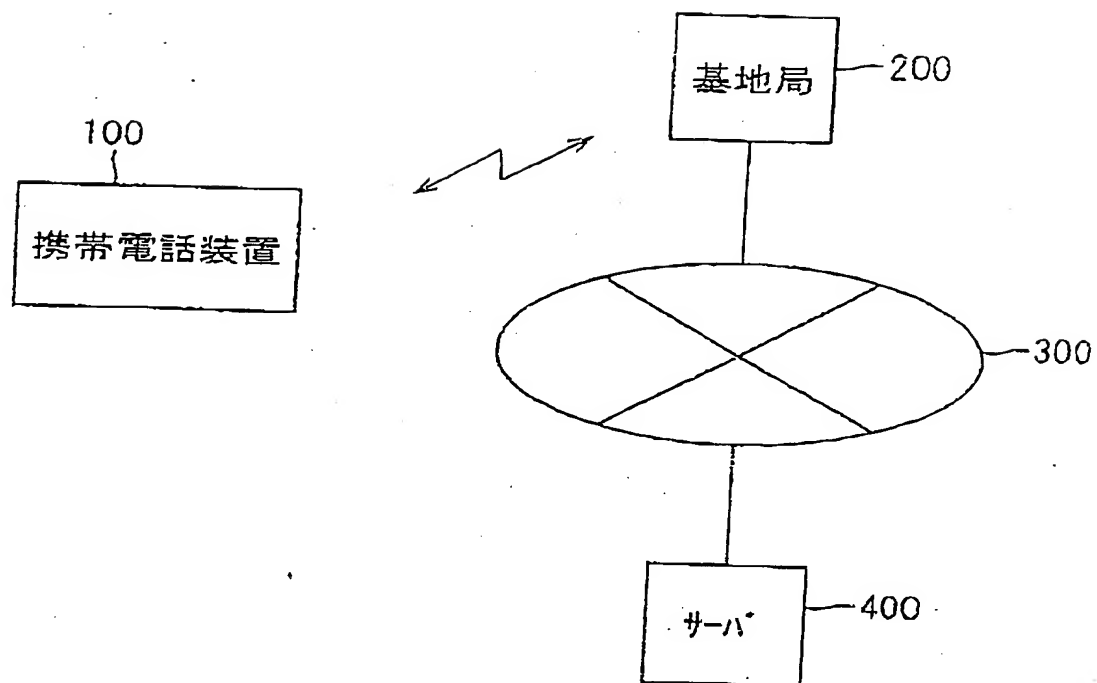


Fig. 1



- 100 PORTABLE TELEPHONE APPARATUS
- 12 MEMORY
- 23 ACCESSING PROCESS SEQUENCE STORAGE UNIT
- 24 DATA STORAGE UNIT
- 15 DISPLAY UNIT
- 16 OPERATION UNIT
- 11 CONTROL UNIT
- 21 ACCESS PROCESS SEQUENCE SETTING UNIT
- 22 ACCESS PROCESS EXECUTING UNIT
- 13 COMMUNICATION PROCESSING UNIT
- 14 WIRELESS COMMUNICATION UNIT

Fig. 2

~~FIG. 2~~

- 100 PORTABLE TELEPHONE APPARATUS
- 200 BASE STATION
- 400 SERVER

Fig. 3

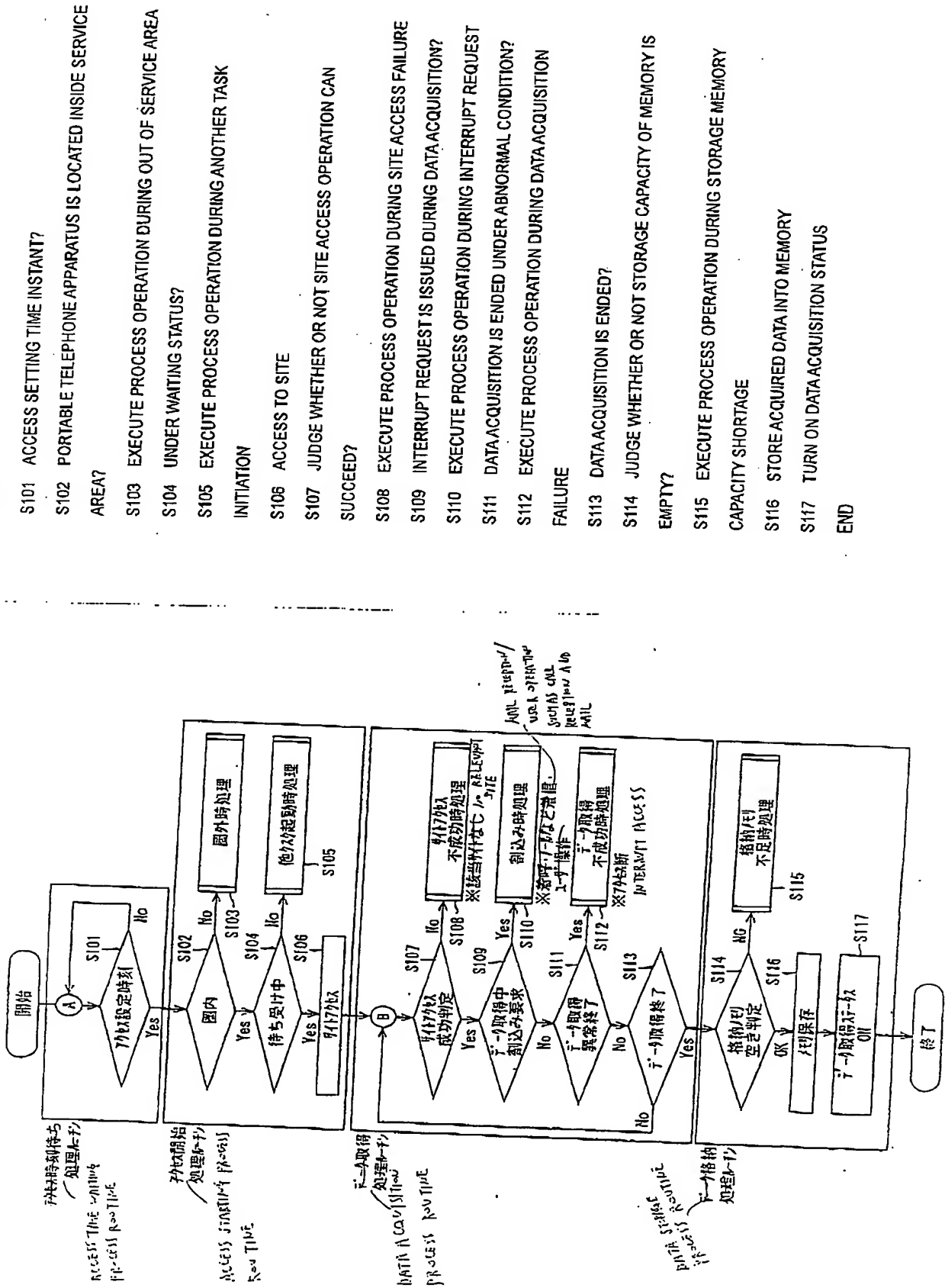


Fig. 4

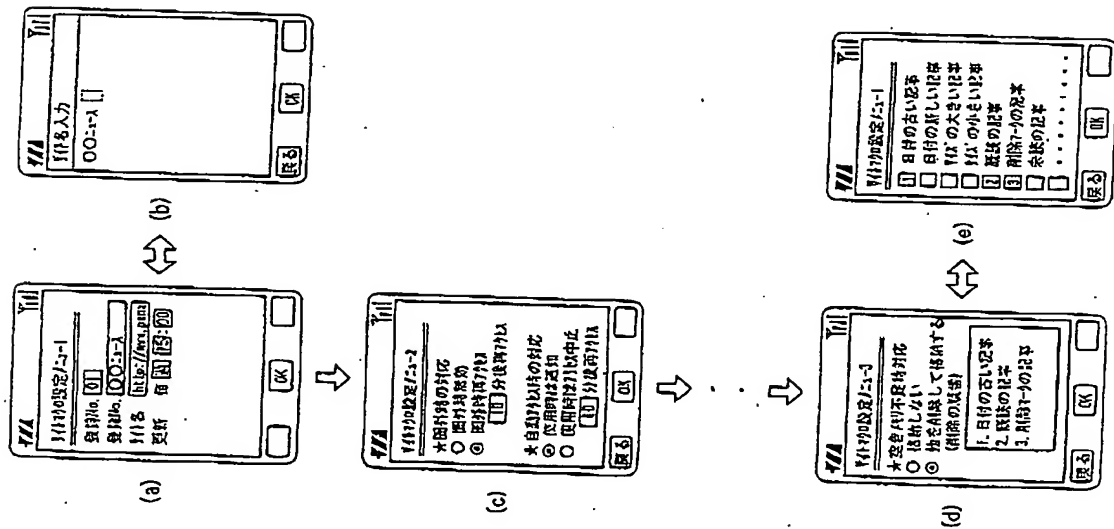


FIG. 4(a)

SITE MACRO SETTING MENU 1
REGISTRATION NO.
SITE NAME
UPDATE, EVERY WEEK

FIG. 4(b)

ENTER SITE NAME
OO-1-1
RETURN

FIG. 4(c)

SITE MACRO SETTING MENU 2
CORRESPONDENCE OF OPERATIONS DURING OUT OF SERVICE
AREA

INVALIDATE DURING OUT OF SERVICE AREA
RE-ACCESS DURING OUT OF SERVICE AREA
RE-ACCESS AFTER 10 MINUTES
CORRESPONDENCE OF OPERATIONS DURING AUTOMATIC
ACCESSING OPERATION
NOTIFY WHEN USED
CEASE ACCESS WHEN USED
RE-ACCESS AFTER 10 MINUTES
RETURN

FIG. 4(d)

SITE MACRO SETTING MENU 3
CORRESPONDENCE OF OPERATIONS DURING EMPTY MEMORY
SHORTAGE
NOT STORED

OTHER DATA ARE DELETED SO AS TO STORE ACQUIRED DATA
SEQUENCE OF DELETION
ARTICLE HAVING OLD DATE
ALREADY READ ARTICLE
ARTICLE WITH DELETION MARK
RETURN

FIG. 4(e)

SITE MACRO SETTING MENU 1
ARTICLE HAVING OLD DATE
ARTICLE HAVING NEW DATE
ARTICLE HAVING LARGE SIZE
ARTICLE HAVING SMALL SIZE
ALREADY READ ARTICLE
ARTICLE WITH DELETION MARK
UNREAD ARTICLE
RETURN

図5 Fig. 5

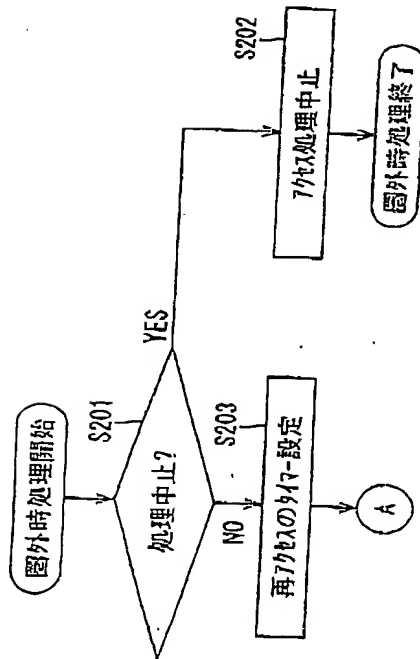


FIG. 5

START PROCESS OPERATION DURING OUT OF SERVICE
 S201 PROCESS OPERATION IS CEASED?
 S202 CEASE ACCESS PROCESS OPERATION
 S203 SET TIMER FOR RE-ACCESSING OPERATION
 END PROCESS OPERATION DURING OUT OF SERVICE

図6 Fig. 6

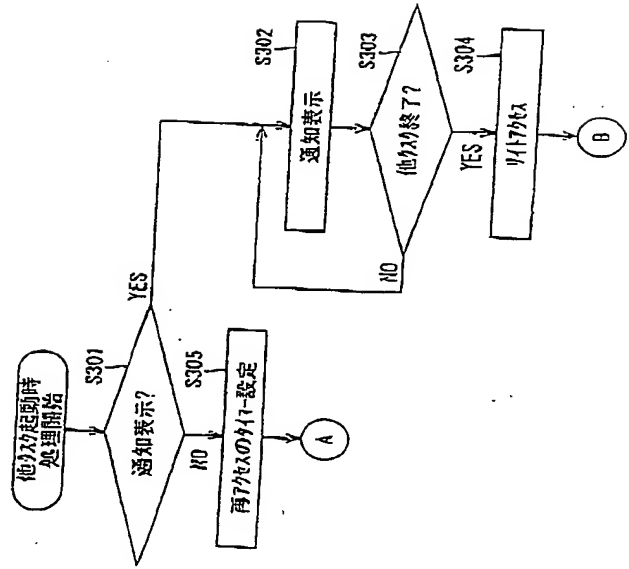


FIG. 6

START PROCESS OPERATION DURING ANOTHER TASK INITIATION
 S301 NOTIFICATION IS DISPLAYED?
 S302 DISPLAY NOTIFICATION
 S303 ANOTHER TASK IS ENDED?
 S304 EXECUTE SITE ACCESS OPERATION
 S305 SET TIMER FOR RE-ACCESSING OPERATION

Fig. 7

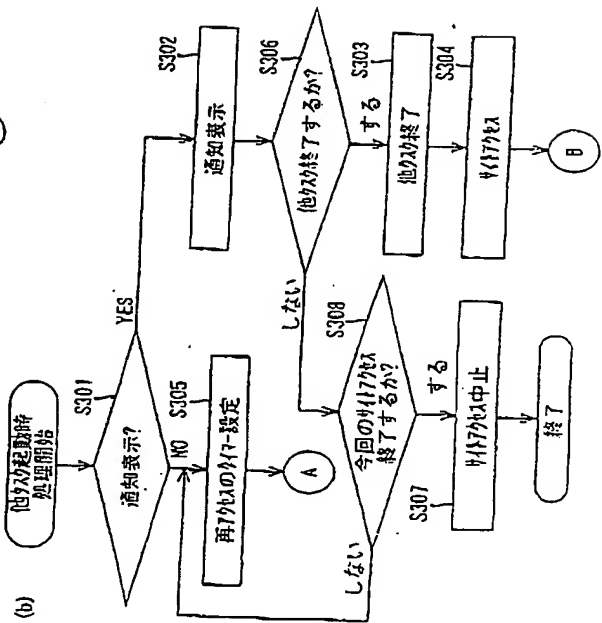
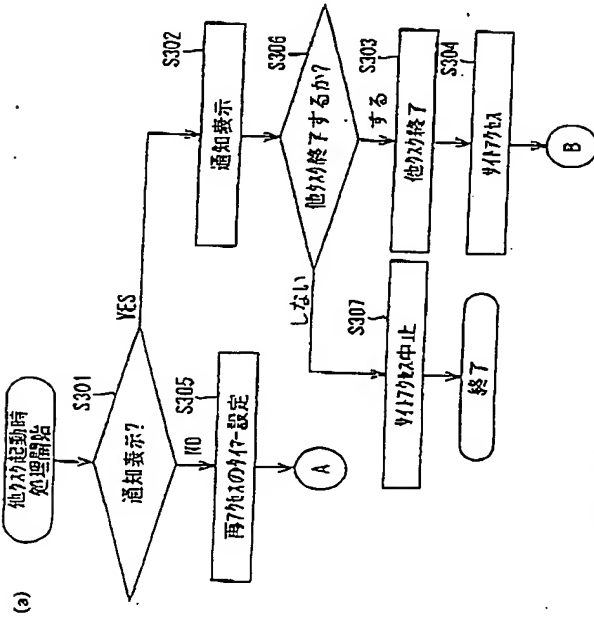


FIG. 7(a)

START PROCESS OPERATION DURING ANOTHER TASK INITIATION

S301 NOTIFICATION IS DISPLAYED?

S302 DISPLAY NOTIFICATION

S303 END ANOTHER TASK

S304 EXECUTE SITE ACCESS

S305 SET TIMER FOR RE-ACCESSING OPERATION

S306 ANOTHER TASK IS ENDED?

S307 CEASE SITE ACCESS

END

FIG. 7(B)

START PROCESS OPERATION DURING ANOTHER TASK INITIATION

S301 NOTIFICATION IS DISPLAYED?

S302 DISPLAY NOTIFICATION

S303 END ANOTHER TASK

S304 EXECUTE SITE ACCESS

S305 SET TIMER FOR RE-ACCESSING OPERATION

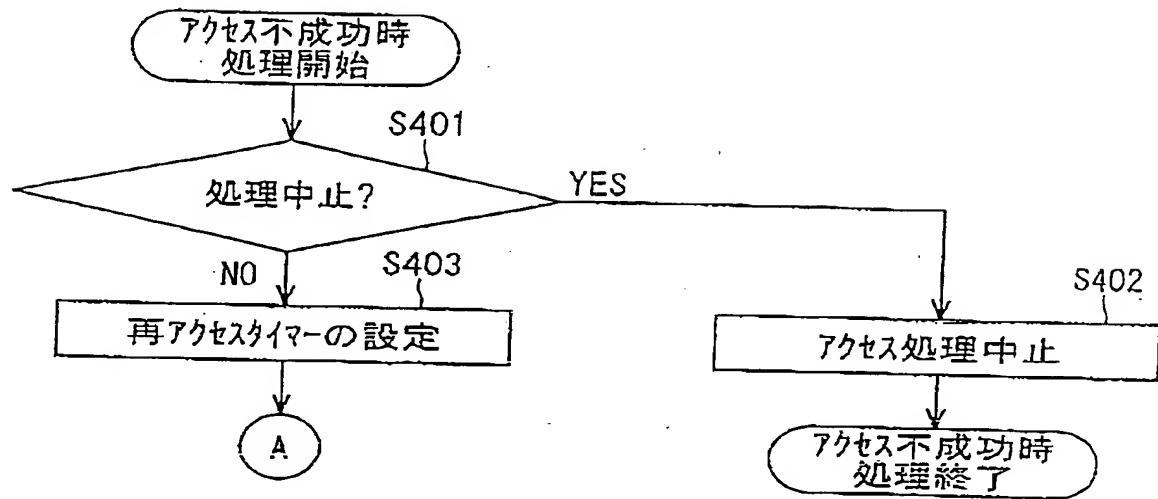
S306 ANOTHER TASK IS ENDED?

S307 CEASE SITE ACCESS

S308 PRESENT SITE ACCESS IS ENDED?

END

図8 Fig. 8



START PROCESS OPERATION DURING ACCESS FAILURE

S401 PROCESS IS CEASED?

S402 CEASE ACCESS PROCESS

S403 SET RE-ACCESS TIMER

END PROCESS OPERATION DURING ACCESS FAILURE

Fig. 9

FIG. 9

START PROCESS OPERATION DURING INTERRUPTION

S501 TELEPHONE CALL IS RECEIVED?

S502 DISPLAY CALL RECEPTION NOTIFICATION

S503 DATA ACQUISITION IS INTERRUPTED?

S504 NOTIFY CALL RECEPTION REFUSAL

S505 MAIL IS RECEIVED?

S506 DISPLAY MAIL RECEPTION NOTIFICATION

S507 DATA ACQUISITION IS INTERRUPTED?

S508 NOT EXECUTE MAIL RECEPTION

S509 DISPLAY "UNDER DATA ACQUISITION"

S510 DATA ACQUISITION IS INTERRUPTED?

S511 CEASE USER OPERATION ETC.

S512 INTERRUPT DATA ACQUISITION

S513 SET TIMER FOR RE-ACCESSING OPERATION
TO STEP S111

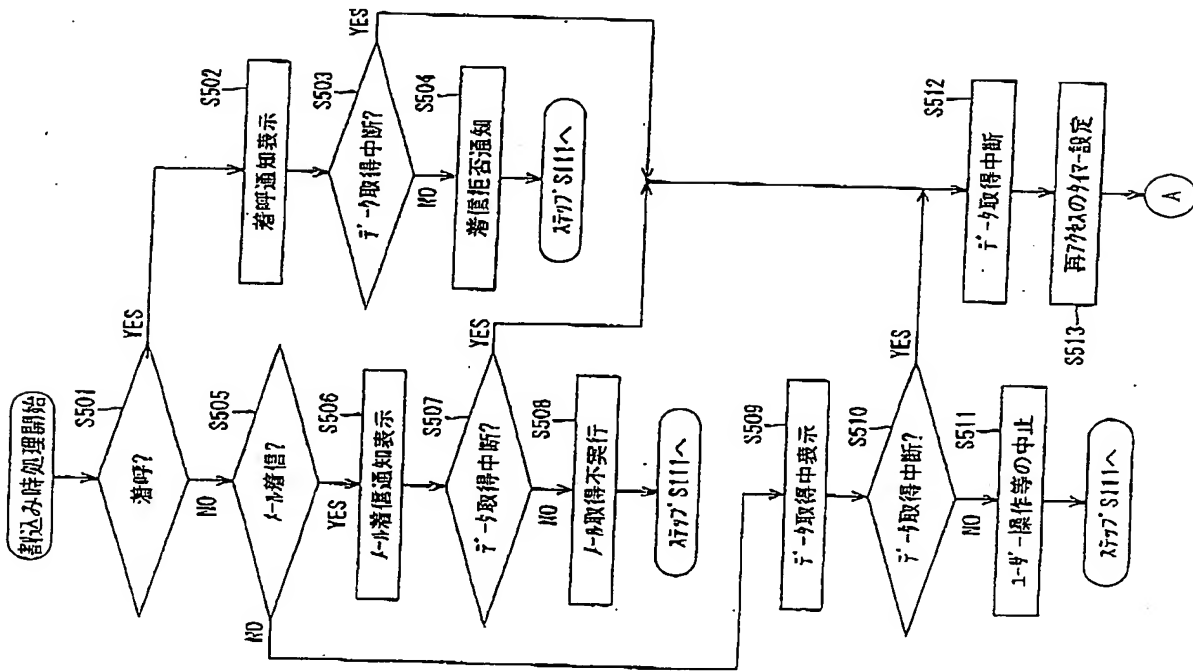


Fig. 10

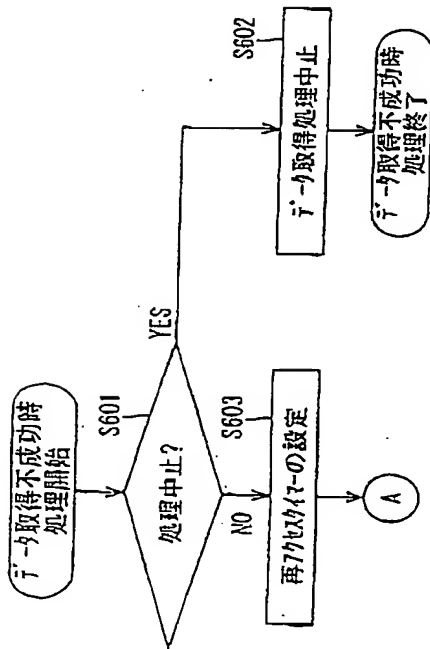


FIG. 10

START PROCESS OPERATION DURING DATA ACQUISITION FAILURE
 S601 PROCESS OPERATION IS CEASED?
 S602 CEASE DATA ACQUISITION PROCESS OPERATION
 S603 SET RE-ACCESS TIMER
 END PROCESS OPERATION DURING DATA ACQUISITION FAILURE

Fig. 11

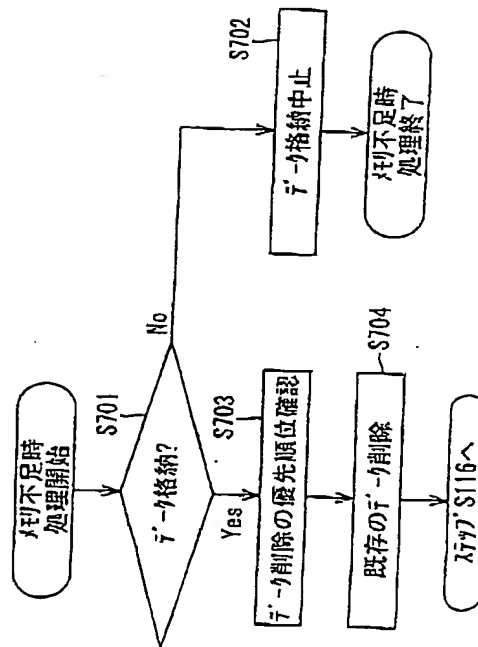
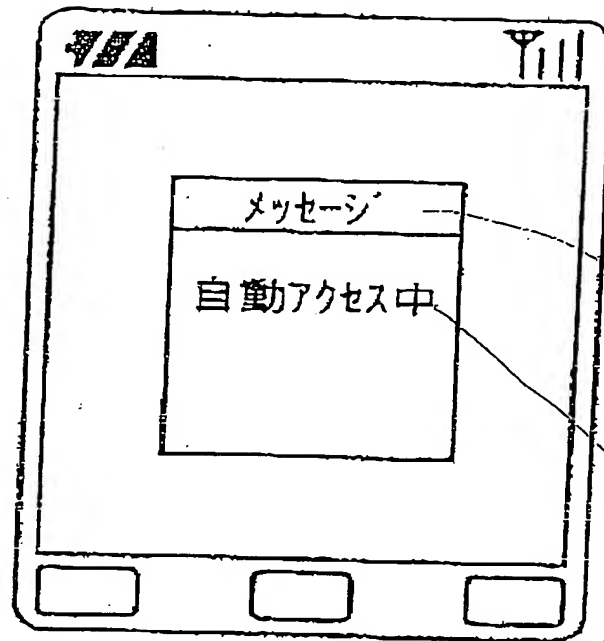


FIG. 11

START PROCESS OPERATION DURING MEMORY CAPACITY SHORTAGE
 S701 DATA IS STORED?
 S702 CEASE DATA STORAGE
 S703 CONFIRM PRIORITY ORDER AS TO DATA DELETION
 S704 DELETE EXISTING DATA
 END PROCESS OPERATION DURING MEMORY CAPACITY SHORTAGE
 TO STEP S116

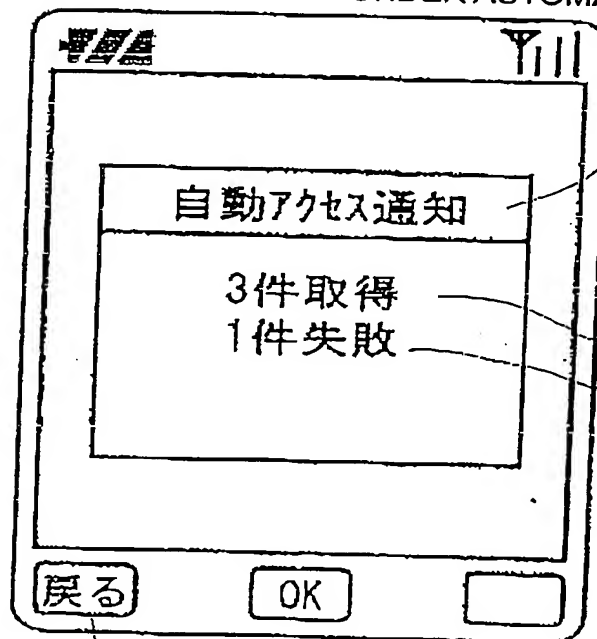
Fig. 12



MESSAGE

UNDER AUTOMATIC ACCESS OPERATION

Fig. 13

NOTIFY AUTOMATIC
ACCESS OPERATION

3 ITEMS ARE ACQUIRED

1 ITEM FAILED

RETURN

Fig. 14

FIG. 14(a)

ACQUIRED DATA LIST
 ○× NEWSPAPER
 "NOT YET", ×× NEWS
 NEWS ×○
 "NOT YET", MACO RUSH NEWS
 "FAIL", WEEKLY STOCK INFORMATION
 VIEW MENU

FIG. 14(b)

×× NEWS
 ACQUISITION DATE
 DELETE
 MAIN BODY OF ARTICLE
 RETURN
 MENU

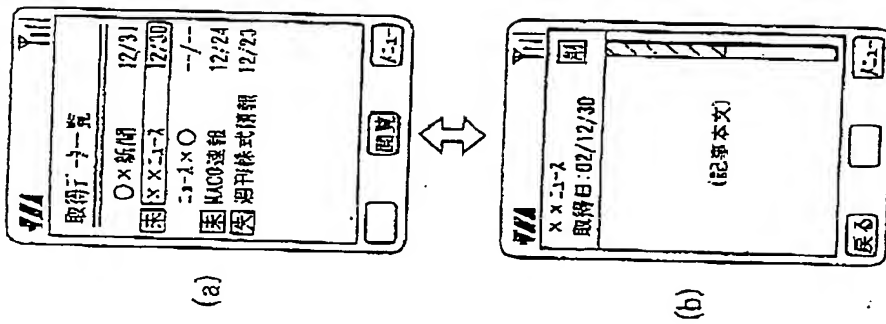


Fig. 15

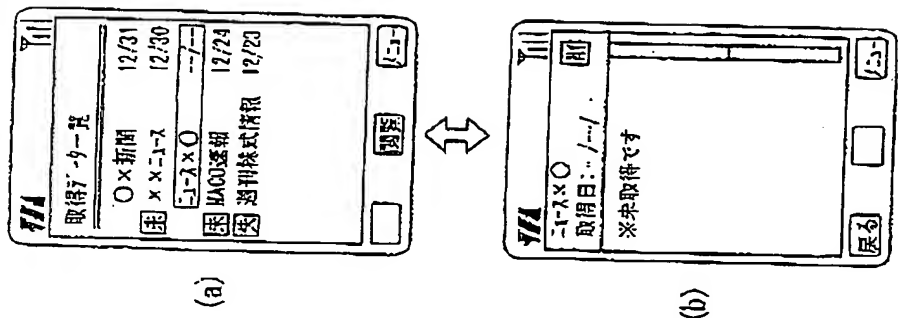


FIG. 15(a)

ACQUIRED DATA LIST

o x NEWSPAPER

"NOT YET", x x NEWS

NEWS x o

"NOT YET", MACO RUSH NEWS

"FAIL", WEEKLY STOCK INFORMATION

VIEW

MENU

FIG. 15(b)

x x NEWS

ACQUISITION DATE

DELETE

NOT YET ACQUIRED

RETURN

MENU

FIG. 16(b)

ox NEWSPAPER

"NOT YET", xx NEWS

NEWS x0

"NOT YET", MACO RUSH NEWS

'FAIL', WEEKLY STOCK INFORMATION

VIEW

MENU

WEEKLY STOCK INFORMATION

ACQUISITION DATE

ACQUISITION WAS INTERRUPTED

RETURN

MENU

